

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/050840

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 H01L29/12 B01J13/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L B01J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, INSPEC		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/187347 A1 (HALAS NANCY J ET AL) 12 December 2002 (2002-12-12)	1-11, 13-16, 18-20, 22,28, 29,31,32
Y	paragraphs '0005!, '0008!, '0030! - '0043!; figures 1,2,5	21, 23-26,34
Y	US 2003/066998 A1 (LEE HOWARD WING HOON) 10 April 2003 (2003-04-10) abstract; figures 1,3,6-8	21, 23-26,34
X	WO 91/06035 A (RESEARCH CORPORATION TECHNOLOGIES, INC) 2 May 1991 (1991-05-02)  abstract; figures 2-5,14-21,24-27,32  -/-	1-11, 18-20, 28,29
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents:		
*A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *Z* document member of the same patent family		
Date of the actual completion of the international search  29 August 2005		Date of mailing of the international search report  08/09/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Dauw, X

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	US 5 023 139 A (BIRNBOIM ET AL) 11 June 1991 (1991-06-11) column 4, line 60 - column 5, line 6; figures 1-3	1,28
A	----- E.PRODAN, C. RADLOFF, N.J. HALAS, P. NORDLANDER: "A Hybridization Model for the Plasmon Response of Complex Nanostructures" SCIENCE, vol. 302, 17 October 2003 (2003-10-17), pages 419-422, XP002342495 cited in the application the whole document	1-42
A	----- US 6 344 272 B1 (OLDENBURG STEVEN J ET AL) 5 February 2002 (2002-02-05) column 1, line 21 - column 4, line 12; figures 1,2	1-42
A	----- US 2003/127659 A1 (BAWENDI MOUNGI G ET AL) 10 July 2003 (2003-07-10) abstract; figures 1-3	1-42
A	----- BURLAK G N: "Optical radiation from coated microsphere with active core" PHYSICS LETTERS A, NORTH-HOLLAND PUBLISHING CO., AMSTERDAM, NL, vol. 299, no. 1, 24 June 2002 (2002-06-24), pages 94-101, XP004367563 ISSN: 0375-9601 the whole document	1-42

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